

What is claimed is:

1. A method of accessing data in a disk array
5 comprising:
 - receiving a new user access request;
 - assigning the new user access request to a disk d of
said disk array;
 - determining when the new user access request will be
10 processed by examining extent size for requested data
stored on disk d, wherein if the new user access request
will be processed within a predefined period of time,
placing the new user access request into a new user queue
for disk d; otherwise, assigning the new user access
15 request to another disk of said disk array.
2. The method of claim 1 wherein said another disk is up
to three disks distant from disk d.
- 20 3. The method of claim 1 wherein, if said new user
access request cannot be assigned to another disk, waiting
a predefined period of time; and
assigning the new user access request to disk d.
- 25 4. In a video on demand system comprising a plurality of
disks, where video information is striped across the
plurality of disks, a method of accessing the video
information comprising:
 - receiving a user access request for a next portion of
30 video information required to present a streaming video
sequence to the user;

assigning the user access request to a disk d of the plurality of disks that contains the next portion of video information;

determining when the user access request will be
5 processed by examining extent size for said video
information stored on disk d, wherein if the user access
request will be processed within a predefined period of
time, placing the user access request into a new user
queue for disk d; otherwise, assigning the user access
10 request to another disk of said plurality of disks.

5. The method of claim 4 wherein said another disk is up
to three disks distant from disk d.

15 6. The method of claim 4 wherein, if said user access
request cannot be assigned to another disk, waiting a
predefined period of time; and
assigning the user access request to disk d.